

ASSIGNMENT 4

Textbook Assignment: "Refrigeration and Air Conditioning," "Compressed Air Systems," "Laundry, Mess Decks, Galley, and Scullery Equipment," "Other Auxiliary Equipment," and "Lathe and Machining Operations," chapters 5 through 9, pages 5-9 through 9-20.

-
- | | |
|--|---|
| <p>4-1. Which of the following conditions may be caused by excessive buildup of frost on the cooling coils?</p> <ol style="list-style-type: none">1. Low suction pressure2. High suction pressure3. Low suction temperature4. High condensing pressure <p>4-2. The maximum time between defrosting of the cooling coils depends on which of the following factors?</p> <ol style="list-style-type: none">1. Amount of refrigerant in the system2. Moisture content of the supplies placed in the box3. Amount of heat to be removed4. All of the above <p>4-3. You must defrost the cooling coils before the frost reaches what maximum thickness?</p> <ol style="list-style-type: none">1. 1/8 inch2. 3/16 inch3. 1/4 inch4. 5/16 inch | <p>4-5. While you are evacuating and dehydrating a refrigeration system, the vacuum indicator fails to attain 35°F. Which of the following conditions may be the cause of this failure?</p> <ol style="list-style-type: none">1. Lack of lubricating oil in the compressor crankcase2. Lack of moisture in the system3. Presence of R-12 in the lubricating oil4. Each of the above <p>4-6. To be properly reactivated, dehydrating agents should be heated (a) at what specific temperature and (b) for what approximate length of time?</p> <ol style="list-style-type: none">1. (a) 200°F; (b) 12 hr2. (a) 300°F; (b) 12 hr3. (a) 400°F; (b) 6 hr4. (a) 500°F; (b) 6 hr <p>4-7. If you do not have a tank-type cleaner, you can clean an R-12 system by which of the following methods?</p> <ol style="list-style-type: none">1. By flushing boiling water through the system three times2. By blowing hot air through the system for 24 hours3. By inserting a hard, wool felt filter in the suction strainer screen and operating the plant4. Each of the above methods <p>4-8. On the two-position, dual control (2PD), which of the following system types uses one common cooling coil to service several different spaces?</p> <ol style="list-style-type: none">1. 12. 23. 3 |
|--|---|
- IN ANSWERING QUESTION 4-4, REFER TO FIGURE 5-4 OF THE TEXTBOOK.
- 4-4. Approximately how many inches of mercury represent the difference in temperature between points B and D?
1. 0.200 inch absolute
 2. 0.232 inch absolute
 3. 0.436 inch absolute
 4. 0.640 inch absolute

- 4-9. What technique must you use to clean the sensing elements in the humidistats?
1. Use of a soft brush
 2. Use of gently blown air
 3. Use of a spray of soap and water solution
 4. Use of a hard brush
- 4-10. To correct a low condensing pressure in an operating refrigeration system, you should perform which of the following actions?
1. Reduce the water supply
 2. Increase the water pressure
 3. Clean the valves and the valve seats
 4. Adjust the high-pressure cutout switch
- 4-11. Insufficient refrigerant in a refrigeration plant may cause which of the following problems?
1. High discharge pressure
 2. Low suction pressure
 3. Frosting of the crankcase
 4. High temperature of the overboard water
- 4-12. Which of the following actions should you take to correct a low condensing pressure in a refrigeration system?
1. Add refrigerant
 2. Purge the condenser
 3. Increase the compressor speed
 4. Adjust the thermostatic expansion valve
- 4-13. In an R-12 refrigeration plant, a compressor runs continuously. What is the probable cause?
1. An open solenoid valve switch
 2. An inadequate supply of refrigerant
 3. Clogged condenser tubes
 4. An excess of liquid refrigerant
- 4-14. Which of the following symptoms indicates that an inadequate supply of water is passing through the condenser of a refrigeration plant?
1. Excessively low temperature of the overboard water and low discharge pressure
 2. High suction pressure and high temperature of the suction line
 3. High condensing pressure and compressor short cycling on the high-pressure switch
 4. High suction line temperature and high discharge pressure
- 4-15. The cut-in point is set too high on the low-pressure control switch of an R-12 refrigeration system. How will this effect the functioning of the compressor?
1. It will short cycle
 2. It will not operate
 3. It will operate unloaded
 4. It will operate continuously
- 4-16. Which of the following conditions is probably caused by liquid refrigerant slugging back to the compressor crankcase of a refrigeration system?
1. Bubbles in the refrigerant
 2. A sudden loss of oil from the crankcase
 3. The compressor continues to operate unloaded
 4. Failure of oil to return to the compressor crankcase
- 4-17. Aboard Navy ships, in which of the following situations would you most likely use MP air?
1. To clean machinery
 2. To start diesel engines
 3. To operate pneumatic tools
 4. Each of the above

- 4-18. What type of air dehydrator is used to reduce dust problems produced by the other various types?
1. Refrigeration (type I)
 2. Desiccant (type II)
 3. Activated alumina beads
 4. Combination refrigeration and desiccant (type III)
- 4-19. Which of the following statements is correct about the dehydrator dew point readings?
1. They are taken only to verify suspected operational problems
 2. They are taken every 8 hours of dehydrator service
 3. They are taken as required by the PMS
 4. They are taken every 4 hours of dehydrator service
- 4-20. Which of the following statements describes the recommended procedures for cleaning an oil-wetted filter element that was removed from a compressor intake?
1. Clean with gasoline or kerosene, dip in lightweight oil, and drain excess oil
 2. Clean with steam or strong sal soda solution, dip in clean medium viscosity oil, and drain excess oil
 3. Clean with a jet of hot water, dip in kerosene, and drain excess kerosene
 4. Clean with kerosene, drain excess kerosene, dip in medium viscosity oil. and drain excess oil
- 4-21. Leakage through the discharge valves of an air compressor is usually caused by which of the following factors?
1. Dirt in the valves
 2. Moisture in the air
 3. Overcompression of air in the cylinders
 4. Insufficient compression of air in the cylinders
- 4-22. Carbonized air compressor valves should be cleaned by soaking them in which of the following solvents?
1. Gasoline
 2. Solution of kerosene and mineral oil
 3. Kerosene only
 4. Strong soda solution
- 4-23. When you are inserting valves in a compressor cylinder, in which of the following directions should the (a) discharge valves and (b) suction valves open?
1. (a) Toward the center;
(b) away from the center
 2. (a) Away from the center of the cylinder;
(b) toward the center
 3. (a) Toward the center of the cylinder;
(b) toward the center of the cylinder
 4. (a) Away from the center of the cylinder;
(b) away from the center of the cylinder
- 4-24. What material is used to repack the filter of air compressor control valves?
1. Wool
 2. Cotton
 3. Linen
 4. Nylon
- 4-25. Which of the following valves of a compressed air system is vital for its safe operation?
1. Control
 2. Discharge
 3. Suction
 4. Relief
- 4-26. Which of the following checks is NOT a requirement during an inspection of a washing machine?
1. Test for correct steam pressure
 2. See that the bolts, nuts, and screws are tight
 3. Ensure the machine is level
 4. See that the latches on the cylinder doors work properly

- 4-27. A well-maintained and properly used tumbler will dry a load of laundry in what minimum amount of time?
1. 10 minutes
 2. 20 minutes
 3. 30 minutes
 4. 40 minutes
- 4-28. Steam kettles safety valves are set to release at what pressure?
1. 15 psig
 2. 25 psig
 3. 35 psig
 4. 45 psig
- 4-29. Varied operating conditions of the distilling plants are a primary cause of which of the following problems?
1. Changes in feed level
 2. Scaling of evaporator tubes
 3. Improper liquid level in the first-effect tube nest
 4. Excessive steam pressure
- 4-30. You are making adjustments on distilling plant controls to bring heat and fluid conditions into balance. Which of the following techniques should you use?
1. Adjust all controls simultaneously
 2. Adjust all heat controls one at a time and quickly
 3. Adjust controls one at a time and in small adjustments
 4. Adjust each control at 10-minute intervals
- 4-31. Which of the following factors is NOT likely to cause a decrease in the distilling plant's efficiency?
1. Air leaks in the first-effect tube nest
 2. Low vacuum in the last-effect shell
 3. Dirty circulating water strainer
 4. No undue deposits inside the tubes
- 4-32. You should inspect distilling plant steam orifices a minimum of how often?
1. Monthly
 2. Twice a year
 3. Annually
 4. At each overhaul
- 4-33. From which of the following sources should you take water to be used to desuperheat live steam?
1. The first-effect tube nest drain pump
 2. The second-effect tube nest drain pump
 3. The freshwater supply
 4. The steam feed system
- 4-34. Fluctuations in the first-effect steam pressure and temperature will cause similar fluctuations in which of the following parts of the plant?
1. The second-effect shell only
 2. The steam supply line only
 3. The water levels only
 4. The entire plant
- 4-35. When you keep the vacuum in the first-effect tube nest of a distilling plant as high as possible, you will reduce which of the following factors?
1. The amount of brine pumped overboard
 2. The pressure rate of the steam lines
 3. The rate of evaporator tube scaling
 4. The rate of distillate formation
- 4-36. When you cannot feed water into the first-effect tube nest of a distilling plant, you should look for which of the following causes?
1. Scale deposits in the air ejector
 2. Scale deposits in the vapor feed heater
 3. Obstructions in the feed line
 4. Each of the above

- 4-37. Once the distilling plant is in operation, which of the following problems is/are likely to cause priming?
1. A sudden rise of the water level
 2. A water level that is too high
 3. Both 1 and 2 above
 4. A sudden drop in the water level
- 4-38. The vacuum gauge readings are nearly identical on the first- and second-effect shells of a distilling plant. What is the most likely cause?
1. Air leaks between the first and second effect
 2. Equally low water levels in both effects
 3. Equally high water levels in both effects
 4. Obstructions in the flow between the first and second effects
- 4-39. Improper venting of evaporator tube nests can cause which of the following problems?
1. Condensation of steam in the vapor feed heater
 2. Accumulation of air in the tubes
 3. Excessive increase of tube nest steam to the distilling condenser
 4. Excessive increase of scale deposits on the evaporator tube nest
- 4-40. How much scale preventive compound is needed for each 4,000 gallons per day of distilling plant capacity?
1. 1.0 pint
 2. 2.0 pints
 3. 3.0 pints
 4. 1.5 pints
- 4-41. You have an air leak in the distilling plant last-effect shell and the watch stander has been operating the air ejectors improperly. These conditions can produce which of the following vacuum readings in the last-effect shell?
1. 34 in.Hg
 2. 30 in.Hg
 3. 26 in.Hg
 4. 10 in.Hg
- 4-42. When a distilling plant is in operation, which of the following vacuum tests should you use on joints?
1. Candle flame
 2. Air pressure
 3. Soapsuds
 4. Hydrostatic
- 4-43. You must clean air ejector nozzles with which of the following tools?
1. Special reamer
 2. Rat-tail file
 3. Sharp scraper
 4. Metal hole brush
- 4-44. The temperature of circulating water has exceeded the allowable 20°F as it passes through the distiller condenser. You know that this situation is not normal. What action should you take first?
1. Clean the air ejectors
 2. Inspect the condenser circulating water systems
 3. Check for improper operating procedures
 4. Reset the back pressure-regulating valve

- 4-45. Which of the following indicators suggest(s) improper drainage of the distiller condenser?
1. The flash chamber gauge line is flooded
 2. The first-effect tube nest vacuum is several inches of mercury
 3. The plant does not produce the designed output when the orifice is 5 psig
 4. Each of the above
- 4-46. All sources of troubles in electrohydraulic systems fit into one of three categories. Which of the following is NOT a category?
1. Hydraulic
 2. Cooling
 3. Electrical
 4. Mechanical
- 4-47. What is the recommended method for locating small internal leaks in hydraulic systems?
1. Use magnetic flux
 2. Install pressure gauges
 3. Listen for identifying sounds
 4. Visually inspect the disassembled parts
- 4-48. A popping or sputtering noise in a hydraulic system indicates which of the following conditions?
1. An oil leak in the pressure line
 2. An air leak in the pressure line
 3. An air leak in the suction line
 4. An air pocket in the cylinder
- 4-49. Which of the following conditions should you suspect if a pounding or rattling noise occurs in a hydraulic system?
1. Overtight adjustment of parts
 2. Defective spring-activated valve
 3. Improperly adjusted relief valve
 4. Overloaded system or high-speed operation
- 4-50. Foreign matter in the oil of a hydraulic transmission usually causes which of the following types of noise?
1. Rattling
 2. Popping
 3. Squealing
 4. Grinding
- 4-51. When a squealing or squeaking noise occurs in a hydraulic system, it is usually caused by which of the following conditions?
1. Wiped bearings
 2. Air pocket in the cylinder
 3. Overtight packing around moving parts
 4. Overloaded system during high-speed operation
- 4-52. What should you, as an Engineman, do upon discovering a faulty operation of a circuit breaker of a hydraulic system?
1. Repair the circuit breaker
 2. Check for excessive binding in the electric motor
 3. Replace any damaged equipment in the plant
 4. Report the condition to the Electrician's Mate
- 4-53. If a hydraulic system is left to idle for a long period of time, which of the following difficulties might you expect to develop?
1. Misalignment of linkage
 2. Accumulation of sludge
 3. External leakage
 4. Internal leakage
- 4-54. What is the purpose of securing a hydraulic system for 1 hour after filling it with clean oil?
1. To permit the settling of foreign matter
 2. To dissolve the sludge
 3. To permit the venting of air
 4. To dissolve corrosive deposits

- 4-55. Which of the following actions is a part of the procedure for cleaning a hydraulic system?
1. Allow the system to remain idle for 15 minutes after operating it with a light load for 4 minutes
 2. Operate the system for 1 hour while it is filled with cleaning fluid
 3. Operate the system at high pressure while it is filled with cleaning fluid
 4. Dilute the old hydraulic oil with cleaning fluid and operate the system for 15 minutes, then allow the system to remain idle for about 5 minutes
- 4-56. You are replenishing the hydraulic system with oil. What strainer should you use with the oil?
1. A cheese cloth
 2. An aluminum filter
 3. A 200-mesh wire screen
 4. A 400-mesh wire screen
- 4-57. If you are filling a hydraulic system and notice water in the oil, which of the following actions should you take?
1. Centrifuge the oil or reject it
 2. Run the oil through a 180-mesh wire screen
 3. Heat the oil to permit the water to evaporate
 4. Allow the oil to stand until the water settles to the bottom
- 4-58. What material is used to form the shaft seal of most modern hydraulic pumps?
1. Rubber
 2. Neoprene
 3. Asbestos
 4. Flax
- 4-59. Which of the following conditions can cause the packing of a shaft stuffing box to wear out quickly?
1. Hard packing
 2. Rough shaft
 3. Shaft deflection
 4. Excessive packing
- 4-60. What is the main purpose of packing a shaft packing gland uniformly and lightly?
1. To allow for cooling and lubrication
 2. To prevent scoring of the shaft
 3. To prevent leakage of seawater
 4. To prevent binding of the shaft
- 4-61. A routine inspection revealed a leak in the line of a hydraulic system at a flanged joint. If the leak persists after you have tightened the bolts evenly, what corrective action should you take next?
1. Replace the flange
 2. Install new packing
 3. Inspect the fluids for contaminants
 4. Install square-braided asbestos packing
- 4-62. The relief valve in a hydraulic system leaks. What should you do to the valve seat?
1. Reface it
 2. Replace it
 3. Regrind it
 4. Fit the valve with a seat insert
- 4-63. The selector switch on the conveyor is improperly set. Which of the following troubles is most likely to occur?
1. Conveyor will not start
 2. Conveyor will not hoist
 3. Conveyor will run continuously
 4. Conveyor will not lower

- 4-64. The engine lathe in a machine shop should NOT be used for which of the following jobs?
1. Turning and boring
 2. Facing and thread cutting
 3. Drilling and grinding
 4. Bending and shaping
- 4-65. In shops with a one lathe allowance, what is usually the size of the lathe?
1. 14 in.
 2. 16 in.
 3. 18 in.
 4. 20 in.
- 4-66. When an engine lathe is used for milling, the workpiece is usually mounted on which of the following lathe parts?
1. Headstock
 2. Tailstock spindle
 3. Carriage
 4. Faceplate
- 4-67. On an engine lathe, which of the following operations is usually performed with the carriage locked in position?
1. Turning
 2. Facing
 3. Boring
 4. Drilling
- 4-68. Gears in the apron of an engine lathe are driven by which of the following lathe parts?
1. Control rod
 2. Lead rod
 3. Reverse rod
 4. Feed rod
- 4-69. Which of the following cutter bits is sometimes ground flat on top so it may be fed in both directions?
1. Left-hand turning tool
 2. Right-hand facing tool
 3. Square-nosed parting tool
 4. Round-nosed turning tool
- 4-70. What type of lathe chuck can be used to automatically center round workpieces of many sizes?
1. Scroll chuck
 2. 4-jaw chuck
 3. Standard collet chuck
 4. Hexagonal collet chuck
- 4-71. A carriage stop may be used on an engine lathe to eliminate the need for which of the following actions?
1. Individual measurements of duplicate parts
 2. Manually shutting off the automatic feed
 3. Setup measurements made directly on the workpiece
 4. Variable rates of feed across a workpiece
- 4-72. Which of the following lubricants is to be used for general machine work on brass or Monel rods?
1. Mineral lard oil
 2. Turpentine
 3. Soluble oil
 4. White lead
- 4-73. What lathe accessory is used for mounting odd-shaped workpieces that cannot be turned between centers?
1. Mandrel
 2. 3-jaw chuck
 3. Collet chuck
 4. Faceplate
- 4-74. A depth of cut of 0.040 inch reduces the diameter of a lathe workpiece by what measurement?
1. 0.020 in.
 2. 0.040 in.
 3. 0.080 in.
 4. 0.120 in.

4-75. Shoulders are commonly located with a parting tool to eliminate the need for which of the following steps?

1. Using a pointed turning tool
2. Facing the shoulder
3. Cutting a fillet
4. Measuring during the rough turning

STUDENT COMMENT SHEET

THIS FORM MAY BE USED TO SUGGEST IMPROVEMENTS, REPORT COURSE ERRORS, OR TO REQUEST HELP IF YOU HAVE DIFFICULTY COMPLETING THE COURSE.

NOTE: IF YOU HAVE NO COMMENTS, YOU DO NOT HAVE TO SUBMIT THIS FORM.

Date _____

FROM:

RATE/RANK/GRADE, NAME (FIRST, M.I., LAST)

STREET ADDRESS, APT #

CITY, STATE, ZIP CODE

DSN: _____

Commercial: _____

FAX: _____

INTERNET: _____

To: COMMANDING OFFICER
NETPDTC N314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237

Subj: NRTC ENGINEMAN 2, NAVEDTRA 82149

1. The following comments are hereby submitted:

PRIVACY ACT STATEMENT

UNDER AUTHORITY OF TITLE 5, USC 301, INFORMATION REGARDING YOUR MILITARY STATUS IS REQUESTED TO ASSIST IN PROCESSING YOUR COMMENTS AND IN PREPARING A REPLY. THIS INFORMATION WILL NOT BE DIVULGED WITHOUT WRITTEN AUTHORIZATION TO ANYONE OTHER THAN THOSE WITHIN DOD FOR OFFICIAL USE IN DETERMINING PERFORMANCE.

.....(Fold along dotted line).....

.....(Fold along dotted line).....

DEPARTMENT OF THE NAVY

**COMMANDING OFFICER
NETPDTC N314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237**

OFFICIAL BUSINESS

**COMMANDING OFFICER
NETPDTC N314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237**

PRINT OR TYPE

TITLE _____ NAVEDTRA _____

NAME _____ ADDRESS _____
Last First Middle Street/Ship/Unit/Division, etc.

City or FPO State Zip

RANK/RATE _____ SSN _____ DESIGNATOR _____ ASSIGNMENT NO. _____ DATE SUBMITTED _____

☐ USN ☐ USNR ☐ ACTIVE ☐ INACTIVE OTHER (Specify) _____

SCORE

1	2	3	4		1	2	3	4		1	2	3	4				
T	F				T	F				T	F						
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	52	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	53	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	54	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	56	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	57	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	58	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	61	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	62	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	63	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	65	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	66	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	67	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	68	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	69	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	70	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	71	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	72	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	73	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	74	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	75	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

